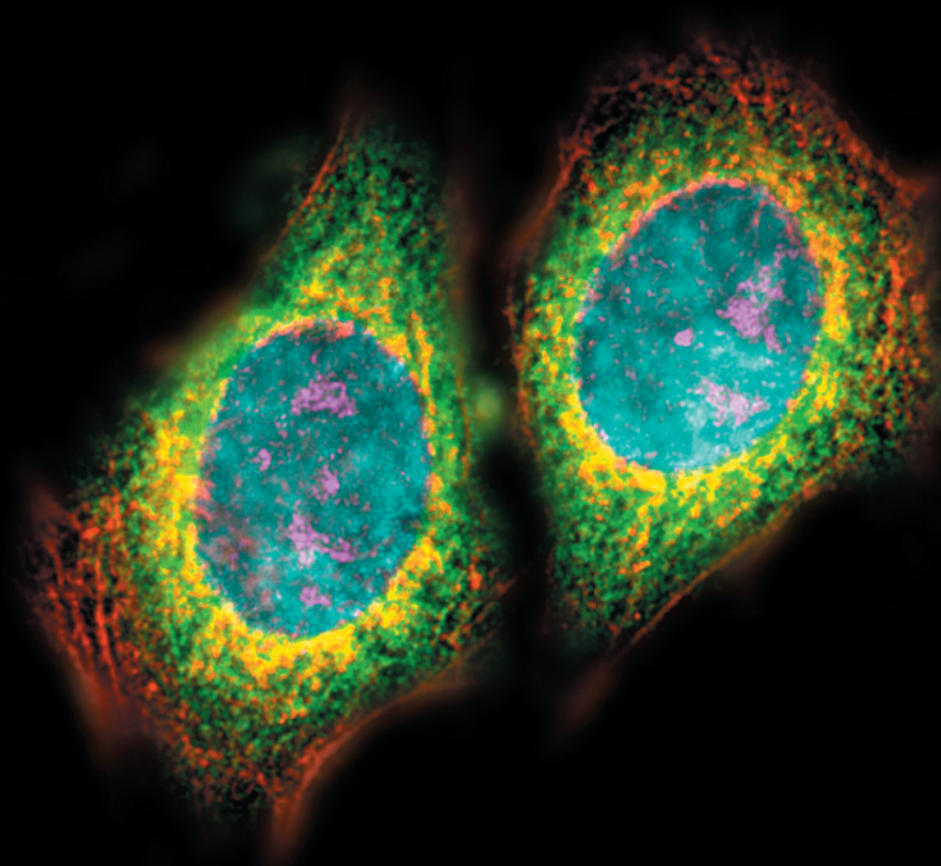


THE NATIONAL NANOTECHNOLOGY INITIATIVE

Research and Development Funding in the President's 2006 Budget



President Bush's fiscal year (FY) 2006 Budget provides over \$1 billion for the U.S. Government's multi-agency National Nanotechnology Initiative (NNI), bringing the total NNI investment since its inception in FY 2001 to over \$5 billion. This sustained investment will advance our understanding of the unique phenomena and processes that occur at the nanometer scale and expedite the responsible use of this knowledge to achieve advances in medicine, manufacturing, high-performance materials, information technology, and energy and environmental technologies.

The NNI supports the advancement of nanotechnology by funding cutting-edge research, creating multidisciplinary centers of excellence, and developing key research infrastructure. It also supports activities aimed at addressing the societal implications of nanotechnology, including ethical, legal, human and environmental health, and workforce related issues.

The largest investments continue to be made by the National Science Foundation, reflecting that agency's broad mission in supporting fundamental research across all disciplines of science and engineering; the Department of Energy, which is in the process of completing five Nanoscale Science Research Centers that will provide research equipment and infrastructure that will be broadly available to researchers from across the scientific research community; and the Department of Defense, with its emphasis on development of materials, devices and systems that address the agency's mission. The FY 2006 request by the Department of Health and Human Services (HHS) includes programs at National Institutes of Health (NIH) emphasizing nanotechnology-based biomedical advances occurring at the intersection of biology and the physical sciences, such as the National Cancer Institute's Alliance for Nanotechnology in Cancer (nano.cancer.gov), and at the National Institute of Occupational Safety and Health (NIOSH) that address implications and applications of nanotechnology for health and safety in the workplace.

National Nanotechnology Initiative (Budget authority, dollars in millions)

	2004 Actual	2005 Estimate	2006 Request
National Science Foundation	256	338	344
Defense	291	257	230
Energy	202	210	207
HHS (NIH)	106	142	144
Commerce (NIST)	77	75	75
NASA	47	45	32
Agriculture	2	3	11
Environmental Protection Agency	5	5	5
HHS (NIOSH)		3	3
Justice	2	2	2
Homeland Security	1	1	1
Total	989	1081	1054

With the addition of NIOSH, 11 Federal agencies currently fund nanotechnology research and development under the NNI, and another 12 participate in coordination. Agencies that have joined the NNI as participants over the past year include the U.S. Patent and Trademark Office and the Consumer Product Safety Commission, indicating the increasing importance of commercialization activities.

The NNI Strategic Plan released in 2004 articulates the vision and goals for the program, and describes activities aimed at achieving those goals as well as the overall investment strategy. It also describes where agency missions, interests, and needs intersect with the NNI areas of investment and anticipated nanotechnology applications. Additional details are included in the NNI Strategic Plan and the NNI Supplement to the President's FY 2006 Budget, both of which are available at www.nano.gov.